

Saw Blade and Handsaw Manufacturing: 2002

Issued December 2004

EC02-311-332213 (RV)

2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
332213, Saw blade and handsaw manufacturing	2002..	138	149	6 836	279 500	4 599	9 633	144 220	867 513	452 814	1 320 251	41 116
	2001..	N	N	8 677	309 797	5 818	12 061	166 304	878 899	580 647	1 456 214	44 558
	2000..	N	N	9 724	343 403	6 703	14 016	196 054	995 544	595 053	1 590 993	58 876
	1999..	N	N	9 344	320 927	6 589	14 135	188 523	957 605	566 520	1 525 660	49 651
	1998..	N	N	9 168	312 386	6 464	13 214	180 770	939 943	552 267	1 474 946	74 364
	1997..	166	175	9 127	300 001	6 596	13 759	179 674	878 749	554 627	1 447 890	67 086

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332213, Saw blade and handsaw manufacturing												
United States	—	149	47	6 836	279 500	4 599	9 633	144 220	867 513	452 814	1 320 251	41 116
California	—	21	7	538	22 642	288	621	10 292	73 431	69 591	142 894	1 468
Kentucky	—	6	4	503	19 472	364	775	10 760	29 075	24 560	56 906	1 552
Massachusetts	—	4	3	1 170	62 747	685	1 518	26 618	177 940	81 406	257 060	6 229
New York	1	8	3	515	15 866	470	921	13 645	22 815	25 307	47 960	2 026
Ohio	—	8	4	493	16 178	382	738	10 931	49 546	18 463	67 310	3 195

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
332213, Saw blade and handsaw manufacturing	
Companies ¹	number.. 138
All establishments ²	number.. 149
Establishments with 1 to 19 employees	number.. 102
Establishments with 20 to 99 employees	number.. 31
Establishments with 100 employees or more	number.. 16
All employees ³	number.. 6 836
Total compensation	\$1,000.. 350 264
Annual payroll	\$1,000.. 279 500
Total fringe benefits	\$1,000.. 70 764
Production workers, average for year	number.. 4 599
Production workers on March 12	number.. 4 289
Production workers on May 12	number.. 4 781
Production workers on August 12	number.. 4 706
Production workers on November 12	number.. 4 606
Production worker hours	1,000.. 9 633
Production worker wages	\$1,000.. 144 220
Total cost of materials	\$1,000.. 452 814
Materials, parts, containers, packaging, etc., used	\$1,000.. 317 564
Resales	\$1,000.. 111 032
Purchased fuels	\$1,000.. 2 272
Purchased electricity	\$1,000.. 14 839
Contract work	\$1,000.. 7 107
Quantity of electricity purchased for heat and power	1,000 kWh.. 229 590
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 1 320 251
Primary products value of shipments	\$1,000.. 1 044 657
Secondary products value of shipments	\$1,000.. 114 550
Total miscellaneous receipts	\$1,000.. 161 044
Value of resales	\$1,000.. 152 698
Contract receipts	\$1,000.. 301
Other miscellaneous receipts	\$1,000.. 8 045
Primary products specialization ratio	percent.. 90
Value of primary products shipments made in all industries	\$1,000.. 1 154 876
Value of primary products shipments made in this industry	\$1,000.. 1 044 657
Value of primary products shipments made in other industries	\$1,000.. 110 219
Coverage ratio	percent.. 90
Value added	\$1,000.. 867 513
Total inventories, beginning of year	\$1,000.. 195 160
Finished goods inventories	\$1,000.. 97 142
Work-in-process inventories	\$1,000.. 44 142
Materials and supplies inventories	\$1,000.. 53 876
Total inventories, end of year	\$1,000.. 195 765
Finished goods inventories	\$1,000.. 97 320
Work-in-process inventories	\$1,000.. 44 040
Materials and supplies inventories	\$1,000.. 54 405
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '526 575
Total capital expenditures (new and used)	\$1,000.. '41 116
Buildings and other structures (new and used)	\$1,000.. '8 300
Machinery and equipment (new and used)	\$1,000.. '32 816
Automobiles, trucks, etc., for highway use	\$1,000.. '6 744
Computers and peripheral data processing equipment	\$1,000.. '6 744
All other expenditures for machinery and equipment	\$1,000.. '25 528
Total retirements	\$1,000.. '18 170
Gross value of depreciable assets at end of year	\$1,000.. '549 521
Depreciation charges during year	\$1,000.. '45 804
Total rental payments	\$1,000.. 12 563
Buildings and other structures	\$1,000.. 8 484
Machinery and equipment	\$1,000.. 4 079
Total other expenses ⁴	\$1,000.. 56 868
Response coverage ratio ⁵	percent.. 73
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 5 771
Communications services ⁴	\$1,000.. 1 566
Legal services ⁴	\$1,000.. 2 731
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 422
Advertising and promotional services ⁴	\$1,000.. 8 556
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 433
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 657
Management consulting and administrative services ⁴	\$1,000.. 1 010
Taxes and license fees ⁴	\$1,000.. 1 741
All other expenses ⁴	\$1,000.. 32 982

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332213, Saw blade and handsaw manufacturing											
All establishments	—	149	6 836	279 500	4 599	9 633	144 220	867 513	452 814	1 320 251	'41 116
Establishments with—											
1 to 4 employees	9	55	116	4 245	83	136	2 367	11 522	7 916	19 638	'332
5 to 9 employees	6	24	c	D	D	D	D	D	D	D	D
10 to 19 employees	6	23	301	11 684	205	405	6 038	29 062	21 147	50 027	'903
20 to 49 employees	1	23	744	27 137	528	1 072	17 753	61 171	38 745	100 480	'1 933
50 to 99 employees	—	8	538	24 320	314	674	9 946	43 713	36 888	83 469	'2 749
100 to 249 employees	—	7	1 265	40 238	892	1 796	24 478	117 283	101 719	218 856	'9 716
250 to 499 employees	—	7	2 215	81 996	1 680	3 440	49 562	184 631	134 211	315 291	'14 354
500 to 999 employees	—	2	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	74	294	11 274	210	385	6 257	32 218	21 318	53 536	'949

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
332213	Saw blade and handsaw manufacturing	149	6 836	279 500	4 599	9 633	144 220	867 513	452 814	1 320 251	41 116
3322130	Saw blades and handsaws	149	6 836	279 500	4 599	9 633	144 220	867 513	452 814	1 320 251	41 116

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332213	Saw blade and handsaw manufacturing.....	2002.. N 1997.. N	X X	X X	1 154 876 1 283 032
3322130	Saw blades and handsaws	2002.. N 1997.. N	X X	X X	1 154 876 1 283 032
33221301	Woodworking power sawblades and accessories	2002.. N 1997.. N	X X	X X	548 938 545 368
3322130101	Power circular saw blades for woodworking, solid tooth	2002.. 15 1997.. 20	X X	X X	111 252 86 809
3322130106	Power circular saw blades for woodworking, inserted tooth	2002.. 13 1997.. 19	X X	X X	59 341 111 096
3322130111	Power band saw blades for woodworking	2002.. 16 1997.. 19	X X	X X	D 66 221
3322130116	Teeth for inserted power woodworking saws, sold separately	2002.. 6 1997.. 6	X X	X X	11 621 24 474
3322130122	All other woodworking power saw blades (scroll, jig, etc.)	2002.. 10 1997.. 21	X X	X X	D 256 768
33221302	Metalworking and other power saw blades and accessories	2002.. N 1997.. N	X X	X X	365 914 510 434
3322130226	Power circular saw blades for metalworking (including metal teeth and cutting segments sold separately)	2002.. 9 1997.. 24	X X	X X	20 352 49 273
3322130236	Power band saw blades for metalworking (including flexible back, spring temper metal cutting, and high-speed metal cutting)	2002.. 13 1997.. 16	X X	X X	108 089 208 421
3322130245	Other metalworking saw blades (including saber, reciprocating etc.), and hack (power only)	2002.. 9 1997.. N	X X	X X	59 401 N
3322130255	All other power saw blades	2002.. 23 1997.. 27	X X	X X	178 072 160 941
33221303	All other hand-operated saws	2002.. N 1997.. N	X X	X X	188 529 184 957
3322130361	Hand-operated hacksaws	millions.. 2002.. 6 1997.. 12	X X	S S	17 872 36 431
3322130365	Hand-operated carpenter crosscut saws and rip saws	millions.. 2002.. 3 1997.. 4	X X	S P4.0	16 335 21 269
3322130377	Other handsaws (including heavy handsaws, crosscut, buck, miter, coping, pruning, compass, etc.), including frames and blades	2002.. 14 1997.. 17	X X	X X	154 322 127 257
3322130Y	Saw blades and handsaws, nsk, total	2002.. N 1997.. N	X X	X X	51 495 42 273
3322130YWW	Saw blades and handsaws, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	13 810 2 988
3322130YWY	Saw blades and handsaws, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	37 685 39 285

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332213	Saw blade and handsaw manufacturing		
00900001	Total materials .....2002..	X	317 564
	.....1997..	X	379 688
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	13 037
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	N
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	45 637
	.....1997..	X	41 122
33120073	Steel sheet, strip, and tin mill products .....2002..	X	62 077
	.....1997..	X	105 004
33120025	Steel wire and wire products .....2002..	X	12 634
	.....1997..	X	16 553
33120027	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, bars, bar shapes, plate, sheet, strip, tin mill products, wire and wire products) .....2002..	X	43 096
	.....1997..	X	51 132
331000AJ	Nonferrous metal shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	388
	.....1997..	X	N
33200057	Fabricated metal products (excluding forgings) .....2002..	X	3 739
	.....1997..	X	N
32100047	Wood parts (including handles) .....2002..	X	D
	.....1997..	X	2 122
32610003	Plastics products, including film, sheet, rod, tube, and fabricated shapes (including parts, handles, grips, etc.) .....2002..	X	6 751
	.....1997..	X	3 789
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	15 668
	.....1997..	X	16 118
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	104 306
	.....1997..	X	110 707
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	19 522
	.....1997..	X	20 104

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.